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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known	
Application Number	10/707,248
Filing Date	12/1/03
First Named Inventor	Maria C. Rivara
Group Art Unit	2123
Examiner Name	Unknown
Attorney Docket Number	RIVAP005US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HD	1	4,912,664		Weiss et al.	03-27-1990	
	2	5,214,752		Meshkat et al.	05-25-1993	
	3	5,440,674		Park	08-08-1995	
	4	5,798,764		Akiyama	08-25-1998	
	5	5,886,702		Migdal et al.	03-23-1999	
	6	6,046,744		Hoppe	04-04-2000	
HD	7	6,266,062		Rivara	07-24-2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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Sheet	2	of	3

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Application Number	10/707,248
Filing Date	12/1/03
First Named Inventor	Maria C. Rivara
Group Art Unit	2123
Examiner Name	Unknown
Attorney Docket Number	RIVAP005US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
HD	A	L. Chew, Guaranteed-quality triangular meshes, Dept. of Computer Science, Cornell University, TR 89-983, (1989).	
	B	N. A. Golias and T. D. Tsiboukis, An approach to refining three dimensional tetrahedral meshes based on Delaunay transformations, International Journal for Numerical Methods in Engineering, vol. 37, 793-812 (1994).	
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HD	K	M.C. Rivara and M. Palma, New LEPP-algorithms for quality polygon and volume triangulation: Implementation issues and practical behavior. In Trends in Unstructured Mesh Generation, S.A. Canann and S. Saigal (eds.) AMD - vol. 220 The American Society of Mechanical Engineers, pp. 1-8 (1997).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

Complete if Known	
Application Number	10/707,248
Filing Date	12/1/03
First Named Inventor	Maria C. Rivara
Group Art Unit	2123
Examiner Name	Unknown
Attorney Docket Number	RIVAP005US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
HD	L	M. C. Rivara, Selective refinement/derefinement algorithms for sequences of nested triangulations, International Journal for Numerical Methods in Engineering, vol. 28, 2889-2906 (1989).	
	M	M. C. Rivara and C. Levin, A 3-D refinement algorithm suitable for adaptive and multigrid techniques, Communications on Applied Numerical Methods, vol. 8, 281-290 (1992).	
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	O	M. C. Rivara, New mathematical tools and techniques for the refinement and/or improvement of unstructured triangulations, *Proceedings 5th International Meshing Roundtable*, Pittsburgh, USA, October 10-11, pp 77-86 (1996).	
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	S	S. N. Muthukrishnan et al., Refinement of 3D meshes at surface intersections, Computer Aided Design, vol. 27, no. 8, pages 637-645 (1995).	
	T	B. Baccus et al., Adaptive Mesh Refinement for MUltilayer Process Simulation Usmg the *Finite Element Method*, *IEEE Transactions on Computer Aided Design of Integrated Circuits* and Systems, vol. 11, no. 3, pages 396-403 (1992).	
↓	U	J. G. Castanos and J.E. Savage, Parallel refinement of unstructured meshes, Procs. IASTED Conference on Parallel and Distributed Computing and Systems (PDCS'99), 1999	
HD	V	D. Nave, N. Chrisochoides and L.P. Chew, Guaranteed-quality parallel Delaunay refinement for restricted polyhedral domains, Proceedings of the 8th ACM Symposium on Computational Geometry, pp 135-144, 2002	

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